

IDENTIFICATION OF MATERIAL INCLUSIONS IN PULP AND PAPER USING RAMAN SPECTROSCOPY

ABSTRACT

Pulp and/or paper samples are scanned with a Laser Raman Spectroscopic probe, 10 utilizing Raman spectroscopic technology, to generate Raman spectroscopic images of all or selected ones of the constituents and/or contaminants contained in the sample, to compare the same with a library of Raman spectroscopic fingerprints of known constituents and/or contaminants, and to identify and communicate data on all or selected ones of the constituents and/or contaminants for purposes of controlling the paper making process and/or 15 determination of the quality of the paper produced.

F:\DATA\WP60\0329\63829\APPLN4.DOC